



SEQUENCE LISTING

<110> Wary, Kishore, K.  
Humtsoe, Joseph O.

<120> Uses of Vascular Endothelial Growth Factor  
and Type I Collagen Inducible Protein (VCIP)

<130> D6563

<140> US 10/912,238

<141> 2004-03-29

<150> US 60/458,164

<151> 2003-03-27

<160> 36

<210> 1

<211> 15

<212> PRT

<213> Unknown

<220>

<221> CHAIN

<223> peptide used to raise anti-VCIP-cyto-C16 antibody

<400> 1

Leu Ser Pro Val Asp Ile Ile Asp Arg Asn Asn His His Asn Met  
5 10 15

<210> 2

<211> 20

<212> PRT

<213> Unknown

<220>

<221> CHAIN  
<223> peptide used to raise anti-VCIP-RGD antibody

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Glu Gly Tyr Ile Gln Asn Tyr Arg Cys Arg Gly Asp Asp Ser Lys  
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Val Gln Glu Ala Arg  
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<223> forward primer for VCIP

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ggaggatccc tcgcgcgcga gccagcgcca tgc 33

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<400> 4

gtggcaccta catcatgttg tggtg 25

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cttcctgaaa tgcgtcaaca cc 22

<210> 6  
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tcatagctgg gaaaaactgag gc 22

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ggctgtgcta tccctgtacg cc 22

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ggtctcctct gacttcaaca gcg 23

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ggtactttat tgatggtaca tgac 24

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<223> a peptide containing RGD sequence  
  
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Gly Arg Gly Asp Ser Pro  
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<400> 12  
Tyr Pro Tyr Asp Val Pro Asp Tyr Ala  
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<210> 13  
<211> 311  
<212> PRT  
<213> Unknown  
  
<220>  
<221> CHAIN  
<223> human VCIP  
  
<400> 13  
Met Gln Asn Tyr Lys Tyr Asp Lys Ala Ile Val Pro Glu Ser Lys  
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Asn Gly Gly Ser Pro Ala Leu Asn Asn Pro Arg Arg Ser Gly  
20 25 30  
Ser Lys Arg Val Leu Leu Ile Cys Leu Asp Leu Phe Cys Leu Phe  
35 40 45  
Met Ala Gly Leu Pro Phe Leu Ile Ile Glu Thr Ser Thr Ile Lys  
50 55 60

Pro	Tyr	His	Arg	Gly	Phe	Tyr	Cys	Asn	Asp	Glu	Ser	Ile	Lys	Tyr
					65					70				75
Pro	Leu	Lys	Thr	Gly	Glu	Thr	Ile	Asn	Asp	Ala	Val	Leu	Cys	Ala
					80					85				90
Val	Gly	Ile	Val	Ile	Ala	Ile	Leu	Ala	Ile	Ile	Thr	Gly	Glu	Phe
					95					100				105
Tyr	Arg	Ile	Tyr	Tyr	Leu	Lys	Lys	Ser	Arg	Ser	Thr	Ile	Gln	Asn
					110					115				120
Pro	Tyr	Val	Ala	Ala	Leu	Tyr	Lys	Gln	Val	Gly	Cys	Phe	Leu	Phe
					125					130				135
Gly	Cys	Ala	Ile	Ser	Gln	Ser	Phe	Thr	Asp	Ile	Ala	Lys	Val	Ser
					140					145				150
Ile	Gly	Arg	Leu	Arg	Pro	His	Phe	Leu	Ser	Val	Cys	Asn	Pro	Asp
					155					160				165
Phe	Ser	Gln	Ile	Asn	Cys	Ser	Glu	Gly	Tyr	Ile	Gln	Asn	Tyr	Arg
					170					175				180
Cys	Arg	Gly	Asp	Asp	Ser	Lys	Val	Gln	Glu	Ala	Arg	Lys	Ser	Phe
					185					190				195
Phe	Ser	Gly	His	Ala	Ser	Phe	Ser	Met	Tyr	Thr	Met	Leu	Tyr	Leu
					200					205				210
Val	Leu	Tyr	Leu	Gln	Ala	Arg	Phe	Thr	Trp	Arg	Gly	Ala	Arg	Leu
					215					220				225
Leu	Arg	Pro	Leu	Leu	Gln	Phe	Thr	Leu	Ile	Met	Met	Ala	Phe	Tyr
					230					235				240
Thr	Gly	Leu	Ser	Arg	Val	Ser	Asp	His	Lys	His	His	Pro	Ser	Asp
					245					250				255
Val	Leu	Ala	Gly	Phe	Ala	Gln	Gly	Ala	Leu	Val	Ala	Cys	Cys	Ile
					260					265				270
Val	Phe	Phe	Val	Ser	Asp	Leu	Phe	Lys	Thr	Lys	Thr	Thr	Leu	Ser
					275					280				285
Leu	Pro	Ala	Pro	Ala	Ile	Arg	Lys	Glu	Ile	Leu	Ser	Pro	Val	Asp
					290					295				300
Ile	Ile	Asp	Arg	Asn	Asn	His	His	Asn	Met	Met				
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<210>	14
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<213> Unknown

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<223> lipid phosphatase domain of human VCIP

<400> 14

Asp Ile Ala Lys Val Ser Ile Gly Arg Leu Arg Pro His Phe Leu  
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Ser Val Cys

<210> 15

<211> 18

<212> PRT

<213> Unknown

<220>

<221> CHAIN

<223> a rat peptide containing lipid  
phosphatase domain

<400> 15

Asp Ile Ala Lys Tyr Ser Ile Gly Arg Leu Arg Pro His Phe Leu  
5 10 15

Ala Val Cys

<210> 16

<211> 18

<212> PRT

<213> Unknown

<220>

<221> CHAIN

<223> a mouse peptide containing lipid  
phosphatase domain

<400> 16

Asp Ile Ala Lys Tyr Thr Ile Gly Ser Leu Arg Pro His Phe Leu

5

10

15

Ala Ile Cys

<210> 17  
<211> 18  
<212> PRT  
<213> Unknown

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<223> a human peptide containing lipid  
phosphatase domain

<400> 17

Asp Leu Ala Lys Tyr Met Ile Gly Arg Leu Arg Pro Asn Phe Leu  
5 10 15

Ala Val Cys

<210> 18  
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<213> Unknown

<220>  
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<223> a Drosophila peptide containing lipid  
phosphatase domain

<400> 18

Asn Ile Ala Lys Tyr Ser Ile Gly Arg Leu Arg Pro His Phe Tyr  
5 10 15

Thr Leu Cys

<210> 19  
<211> 18  
<212> PRT  
<213> C. elegans

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<221> CHAIN

<223> a C. elegans peptide containing lipid  
phosphatase domain

<400> 19

Ile Val Thr Lys His Val Val Gly Arg Leu Arg Pro His Phe Leu  
5 10 15

Asp Val Cys

<210> 20

<211> 10

<212> PRT

<213> Unknown

<220>

<221> CHAIN

<223> a peptide containing RGD sequence

<400> 20

Asn Tyr Arg Cys Arg Gly Asp Asp Ser Lys  
5 10

<210> 21

<211> 10

<212> PRT

<213> Unknown

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<223> a peptide containing a mutated RGD sequence

<400> 21

Asn Tyr Arg Cys Arg Ala Asp Asp Ser Lys  
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<223> a peptide containing a mutated RGD sequence

<400> 22

Asn Tyr Arg Cys Arg Gly Glu Asp Ser Lys  
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<220>  
<221> CHAIN  
<223> a peptide containing RGD sequence

<400> 23

Asn Tyr Arg Cys Arg Gly Asp Asp Ser Lys Val Gln Glu  
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or dead form of PAP2b

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or dead form of PAP2b

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<210> 26  
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<212> DNA  
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or dead form of PAP2b

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or dead form of PAP2b

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Cys Arg Gly Asp Asp Ser  
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<210> 33  
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gttgcccaag ttggagtgca atgg 24

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<210> 36  
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